

**ALTAMAHA RIVER BASIN
2004 Water Year**

02207435 LITTLE HAYNES CREEK AT DIALS MILL ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°42'40", long 83°54'52" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, on right bank of downstream side of bridge on Dial Mill Road, 0.1 miles northwest of Hightower Trail Road, 0.7 miles south of GA 138, 0.6 miles west of Mount Zion Road, and 0.6 miles east of confluence with Big Haynes Creek.

DRAINAGE AREA.—25.1 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 19, 2002, to current year.

REMARKS.— Medium code 9 indicates a surface water sample and medium code 1 indicates a suspended sediment sample. Hydrologic condition 9 indicates baseflow, 8 indicates rising stage, 7 indicates peak stage, 5 indicates falling stage, and 4 indicates low stable stage. Sample type 9 indicates a routine sample. Hydrologic event 9 indicates a routine sample. Sampler type code 3001 represents a DH-48, 3044 represents a DH-81, 3052 represents a DH-95 with a plastic bottle, and 3070 represents a grab sample. Sampling method code 10 indicates Equal-Width-Increment, and 70 indicates grab sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analysis of Biological Oxygen Demand (BOD-5) during the period of October through September were analyzed by the US Geological Survey, Ocala Water-Quality Laboratory. Biological Oxygen Demand samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratories, Inc.-Denver, and stored under analyzing agency code 80855. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

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continued.**

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydro-logic condit-ion	Sample type	Hydro-logic event	Sam-pler type, code	Sam-pling method, code	Agency ana-lyzing sample, code	Instan-taneous Gage height, feet	dis-charge, cfs	Turb-idity, IR LED light, FNU	pH, water, field, std units	Specif. conduc-tance, wat unf uS/cm 25 degC
			(84164)	(82398)	(00028)	(00065)	(00061)	(63680)	(00400)	(00095)			
OCT 16...	1015	9	9	9	9	3044	10	80020	4.15	16	9.8	6.9	52
NOV 12...	1120	9	9	9	9	3070	70	80020	4.34	22	13	6.8	54
DEC 10...	0950	9	8	9	9	3044	10	80020	4.65	36	31	6.9	47
JAN 21...	1155	9	9	9	9	3044	10	80020	4.24	19	16	6.7	49
FEB 17...	0915	9	5	9	9	3044	10	80020	4.90	55	19	6.8	43
MAR 17...	0945	9	4	9	9	3044	10	80020	4.13	28	31	6.8	48
APR 05...	0955	9	9	9	9	3070	10	80020	3.38	11	15	7.0	49
MAY 03...	0840	9	5	9	9	3045	10	80020	4.21	30	61	6.9	46
	26...	1000	9	9	9	3070	70	80020	3.60	15	32	7.0	53
JUN 23...	1010	9	5	9	9	3070	10	80020	4.44	38	92	6.6	46
JUL 19...	0935	9	4	9	9	3044	10	80020	3.66	16	18	6.9	54
	26...	1030	9	7	9	3052	10	80020	6.12	140	280	6.4	37
AUG 03...	1015	9	9	9	9	3044	10	80020	3.61	15	17	7.4	55
SEP 08...	0910	9	5	9	9	3052	10	80020	7.96	510	120	6.3	32
	08...	0911	9	5	9	3052	10	80855	7.96	510	120	6.3	32
	08...	0912	1	5	9	3052	10	81350	7.96	510	120	6.3	32
	17...	1130	9	5	9	3044	10	80020	7.45	373	120	7.2	32
	17...	1131	9	5	9	3044	10	80855	7.45	373	120	7.2	32
	17...	1132	1	5	9	3001	10	81350	7.45	373	120	7.2	32

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date				BOD, water, unfltrd	Fecal coli- form, M-FC	Calcium water, col/ 100 mL	Magnes- ium, water, filtrd,	Hard- ness, water, filtrd,	Ammonia + org-N, mg/L as CaCO ₃	Ammonia water, mg/L as N	Ammonia water, mg/L as N	Nitrate water filtrd, mg/L as N		
	Baro- metric pres- sure, mm Hg (00025)	Temper- ature, deg C (00010)	Temper- ature, deg C (00020)	20 degC (00310)	Dissolved oxygen, mg/L (00300)	0.7u MF (31625)	mg/L (00915)	mg/L (00925)	mg/L as mg/L as N (00900)	mg/L (00625)	mg/L (00608)	mg/L (71846)	nitrate water filtrd, mg/L as N (00631)	
OCT 16...	751	13.3	14.3	.5	10.1	110	3.19	1.06	12	.17	.022	.03	.239	
NOV 12...	747	13.3	23.4	--	10.3	100	--	--	--	--	--	--	--	
DEC 10...	734	9.4	13.8	.9	11.6	E240k	2.77	.918	11	.35	.062	.08	.392	
JAN 21...	748	3.7	8.9	.2	11.0	E45k	2.79	.840	10	.18	.075	.10	.471	
FEB 17...	--	6.6	2.5	.3	--	160	2.18	.569	8	.23	.038	.05	.423	
MAR 17...	745	11.7	14.3	.2	11.3	100	2.82	.918	11	.14	.041	.05	.358	
APR 05...	742	10.9	13.7	<.1	10.4	72	2.41	.701	9	.16	.043	.06	.379	
MAY 03...	743	15.0	12.8	.5	8.8	--	1.94	.500	7	.30	.062	.08	.281	
	26...	745	22.0	28.1	--	9.3	110	--	--	--	--	--	--	
JUN 23...	749	22.5	--	1.2	11.7	330	2.99	.820	11	.49	.042	.05	.361	
JUL 19...	743	22.1	24.1	<2.0	8.6	150	3.31	.989	12	.16	.040	.05	.309	
	26...	751	22.9	30.1	3.7d	8.4	--	1.72	.460	6	.97	.064	.08	.317
AUG 03...	744	23.6	24.7	<2.0	8.2	--p	3.56	.970	13	.15	.030	.04	.292	
SEP 08...	738	22.3	24.0	--	8.0	--	1.90	.553	7	.64	E.008n	.170	<.006	
	08...	738	22.3	24.0	<2.0	8.0	--	--	--	--	--	--	--	
	08...	738	22.3	24.0	--	--	--	--	--	--	--	--	--	
	17...	739	21.9	--	--	7.9	--	1.75	.524	7	.58	<.010	.139	<.006
	17...	739	21.9	--	E1.3	7.9	E4200k	--	--	--	--	--	--	
	17...	739	21.9	--	--	7.9	--	--	--	--	--	--	--	

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phosphate, mg/L (00605)	Organic phosphorus, mg/L (00671)	Total Phosphorus, mg/L (00665)	Nitrogen, mg/L (00600)	Copper, ug/L (01040)	Lead, ug/L (01049)	Zinc, ug/L (01090)	Organic carbon, ug/L (00680)	Chlorophyll a, ug/L (70953)	Chlorophyll b, ug/L (70954)	Suspended sediment, mg/L (80154)	Suspended sediment, tons/d (80155)	Suspended sediment, percent <.063mm (70331)
OCT 16...	.15	<.006	.009	.41	<.4	<.08	E.4n	2.0	E.4	<.1	3	.12	71
NOV 12...	--	--	--	--	--	--	--	3.1	E.3	<.1	--	--	--
DEC 10...	.29	<.006	.044	.75	<.4	<.08	.6	4.3	1.2d	<.1d	21	2.1	58
JAN 21...	.10	<.006	.009	.65	E.3n	<.08	.8	1.6	E.4d	<.1d	6	.29	65
FEB 17...	.20	<.006	.017	.66	E.3n	E.04n	2.6	2.3	E.9	E.2	10	1.5	57
MAR 17...	.10	<.006	.012	.50	E.3n	<.08	E.4n	2.3	.9d	<.1d	11	.83	76
APR 05...	.11	<.006	.011	.54	E.4n	<.08	1.4	2.0	E.5d	<.1d	5	.15	86
MAY 03...	.24	<.006	.042	.58	E.3n	E.06n	1.1	4.0	E.7d	E.2d	34	2.8	81
MAY 26...	--	--	--	--	--	--	--	--	<.1d	<.1d	--	--	--
JUN 23...	.45	<.006	.065	.85	.4	<.08	1.0	5.7	.6d	E.1d	22	2.2	84
JUL 19...	.12	<.006	.013	.47	<.4	<.08	E.5n	2.4	E.6d	<.1d	10	.41	68
26...	.91	E.004n	.176	1.3	1.0	.15	1.8	10.8	3.5d	E.5d	186	70	80
AUG 03...	.12	<.006	.011	.44	<.4	.11	E.4n	2.7	--	--	10	.40	86
SEP 08...	--	--	.121	.81	1.0	.20	1.3	10.8	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	108	149	61
17...	--	--	.06	.72	5.8	.19	1.5	E8.2	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	104	105	65

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

d -- Diluted sample: method hi range exceeded

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

Null value qualifier codes used in this table:

p -- Sample discarded: improper preservation